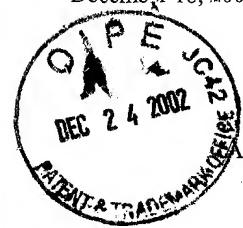


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants: Stephen P.A. Fodor, Lubert Stryer, J. Leighton Read and Michael C. Pirrung

Serial No.: 10/033,195 Group Art Unit: 1655

Filed: December 28, 2001 Examiner: Not Assigned

Confirmation No.: 7969

For: NUCLEOTIDES AND ANALOGS HAVING PHOTOREMOVABLE PROTECTING GROUPS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Box Sequence, P.O. Box 2327, Arlington, VA 22202

on 12/18/02 Denise Caudia

Date

Signature

Denise Caudia

Typed or printed name of person signing certificate

TRANSMITTAL OF SECOND SUBSTITUTE SEQUENCE LISTING AND
PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Box Sequence, P.O. Box 2327
Arlington, VA 22202

Sir:

This amendment is submitted in response to the Notice to Comply with Sequence Requirements mailed from the Patent Office on October 18, 2002. A copy of the Notice to Comply is enclosed.

Transmitted herewith is a copy of a Second Substitute "Sequence Listing" in paper form (sheets 1/6 through 6/6) for the above-identified patent application as

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required by 37 C.F.R. §§ 1.825(a) and 1.821(c), and a copy of the Second Substitute "Sequence Listing" in computer readable form as required by 37 C.F.R. §§ 1.825(b) and 1.821(e).

As required by 37 C.F.R. § 1.825(b), Applicants' Agent hereby states that the contents of the Second Substitute "Sequence Listing" in paper form and in the computer readable form submitted herewith are the same and, as required by 37 C.F.R. § 1.825(a), also states that the submission includes no new matter.

Please amend the above-identified application as follows:

In the Specification

Please replace the "Sequence Listing" filed on September 23, 2002 (sheets 1/6 through 6/6) with the attached Second Substitute "Sequence Listing" (sheets 1/6 through 6/6) comprising SEQ ID NOs: 1-20.

REMARKS

Applicants' Agent has revised the Substitute "Sequence Listing" to recite "feature" information suggested by Mr. Robert Wax. No new matter has been added.

Respectfully submitted,
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Date: December 18, 2002